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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/003,319	12/06/2001	Alok Kumar	9503 (3225-128)	4852
26884	7590	10/20/2004	EXAMINER	
PAUL W. MARTIN LAW DEPARTMENT, WHQ-4 1700 S. PATTERSON BLVD. DAYTON, OH 45479-0001			TRUONG, LECHI	
			ART UNIT	PAPER NUMBER
			2126	

DATE MAILED: 10/20/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

10/003,319

Applicant(s)

ALOK KUMAR

Examiner

LeChi Truong

Art Unit

2126

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 06 December 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-12 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-12 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. §§ 119 and 120

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All b) ☐ Some \* c) ☐ None of:  
1. ☐ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  
\* See the attached detailed Office action for a list of the certified copies not received.
- 13) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.  
a) ☐ The translation of the foreign language provisional application has been received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

### DETAILED ACTION

1. Claims 1-12 are presented for the examination.

#### *Claim Rejections - 35 USC § 103*

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Prager et al (US. 5,940,845) in view of Peterson et al (US. 6,598,015 B1).

3. **As to claim 1**, Prager teaches the invention substantially as claimed including:  
exchanging data between software applications (col 1, ln 39-40), a list of one or more data files (a stream of text containing the letters "ABC", col 3, ln 20-26), publishing a list of one or more data files used by one or more software applications (col 3, ln 21-25), mapping the published data fields (the desired text is the mapped data files since it is retrieved from the character set based on the stream of text containing letters "ABC", col 3, ln 22-26), mapped data fields( the desired text, col 3, ln 24-27), flagging mapped data field by at least one or more software applications( each text has the character set indicator, col 2, ln 32-33/col 3, ln 25-30, ln 33-36 and ln 64-67 ), s-schema( target character, col 3, ln 48-49), matching flagged data fields with a schema to define a b-schema ( col 3, ln 48-55).

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4. Prager does not teach schema as a supper schema, and sub-schema, the sub-schema to validate data files to be exchanged by one or more software applications. However, Peterson teaches a supper schema (extracted tree structure 90, col 5, ln 43-47/ Fig. 5A), sub-schema (portion 94, col 5, ln 47-51/ Fig. 5C), the sub-schema to validate data files to be exchanged by one or more software applications (the edited and proofed documents are transmitted to the client for validation, col 4, ln 11-18).

5. It would have been obvious to one of the ordinary skill in the art at the time the invention was made to combine the teaching of Prager and Peterson because Peterson's extracted tree structure 90, portion 94, the edited and proofed documents is transmitted to the client for validation would provide linguists with greater context by displaying properly formatted text, thereby improving the efficiency and quality of the resulting translations.

6. **As to claim 2**, it is an apparatus claim of claim 1; therefore, it is rejected for the same reason as claim 1 above. In additional, Prager teaches a list of data fields used by the second software application (col 3, ln 24-27).

7. **As to claim 3**, it is an apparatus claim of claim 2; therefore, it is rejected for the same reason as claim 2 above.

8. **As to claim 4**, it is an apparatus claim of claim 1; therefore, it is rejected for the same reason as claim 1 above. In additional, Peterson teaches sequences of instructions which, when executed by the processor (col 3, ln 40-43).

9. **As to claim 5**, Prager teaches monitoring published data field for flag changes (col 48-53).

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10. **As to claims 6-8**, they are apparatus claims of claim 5; therefore, they are rejected for the same reason as claim 5 above.

11. **As to claim 9**, Prager teaches updating the sub-schema in accordance with monitored flag changes of the published data fields (col 3, ln 51-58).

12. **As to claims 10-12**, they are apparatus claims of claim 9; therefore, they are rejected for the same reasons as claim 9 above.

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to LeChi Truong whose telephone number is ( 571) 272 3767. The examiner can normally be reached on 8 - 5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Meng-Ai An can be reached on (571) 272-3756. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIP. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIP system, contact the Electronic Business Center (EBC) at 866-217-9197(toll-free).

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LeChi Truong

October 15, 2004



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